

Windows®. Life without Walls™.
Fujitsu recommends Windows 7.

DATA SHEET

FUJITSU CELSIUS W380 WORKSTATION

WELCOME TO A WORLD OF POWER

The CELSIUS W380 is the versatile all-round workstation for entry-level graphics applications. Powered by the latest Intel® processors, it is the ideal choice business environments such as entry-level CAD, digital content creation and finance. Thanks to the ISV certification process you can be guaranteed that your preferred professional applications will run with maximum speed and system stability.

EXTREMELY POWERFUL WORKSTATIONS

Get more done in less time

- The fastest available processors, graphics cards and hard disk drives

NOISE-REDUCED SYSTEM

Silent working environment

- Optimized thermal management, low-noise chassis and silent fans

SERVICEABILITY

Minimum downtime in the event of system failure

- Service-friendly system design

LEADING WORKSTATION APPLICATION CERTIFICATION

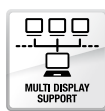
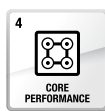
Maximum compatibility and performance with customer-preferred applications

- Full support for ISV applications and easy integration into existing IT environments

BUILT TO ORDER

Free configurability for all product lines

- Customer is given a system optimized for his requirements



COMPONENTS

| | |
|---|---|
| PROCESSOR | Intel® Core™ i5-680 processor (2 Cores / 4 Threads, 3.6 GHz, 4 MB, Intel® HD Graphics) |
| | Intel® Core™ i5-660 processor (2 Cores / 4 Threads, 3.33 GHz, 4 MB, Intel® HD Graphics) |
| | Intel® Core™ i5-650 processor (2 Cores / 4 Threads, 3.20 GHz, 4 MB, Intel® HD Graphics) |
| | Intel® Core™ i3-550 processor (2 Cores / 4 Threads, 3.20 GHz, 4 MB, Intel® HD Graphics) |
| | Intel® Core™ i3-540 processor (2 Cores / 4 Threads, 3.06 GHz, 4 MB, Intel® HD Graphics) |
| | Intel® Xeon® processor X3480 (4C/8T, 3.06 GHz, 8 MB) |
| | Intel® Xeon® processor X3470 (4C/8T, 2.93 GHz, 8 MB) |
| | Intel® Xeon® processor X3450 (4C/8T, 2.66 GHz, 8 MB) |
| | Intel® Xeon® processor X3440 (4C/8T, 2.53 GHz, 8 MB) |
| | Intel® Xeon® processor X3430 (4C/4T, 2.40 GHz, 8 MB) |
| | Intel® Pentium® processor G6950 (2 Cores / 2 Threads, 2.80 GHz, 3 MB, Intel® HD Graphics) |
| | Intel® Celeron® processor Celeron G1101 (2C/4T, 2.26 GHz, 2 MB, Intel® HD Graphics) |
| OPERATING SYSTEM | |
| Operating system optional preinstalled | Genuine Windows® 7 Professional 64-bit Genuine Windows® 7 Professional 32-bit Genuine Windows® 7 Home Premium 64-bit |
| Operating system compatible | Genuine Windows Vista® Business 64-bit Genuine Windows Vista® Business 32-bit Genuine Windows® XP Professional x64 Edition Genuine Windows® XP Professional Linux |
| Operating system notes | Red Hat® certification pending Novell® certification pending For some configurations third party drivers are currently not available or configuration restrictions may apply. |
| MEMORY MODULES | |
| | 2 GB (1 module(s) 2 GB) DDR3, unbuffered, ECC, 1333 MHz, PC3-10600, DIMM |
| | 2 GB (1 module(s) 2 GB) DDR3, unbuffered, non-ECC, 1333 MHz, PC3-10600, DIMM |
| | 4 GB (1 module(s) 4 GB) DDR3, unbuffered, ECC, 1333 MHz, PC3-10600, DIMM |
| | 4 GB (1 module(s) 4 GB) DDR3, unbuffered, non-ECC, 1333 MHz, PC3-10600, DIMM |
| GRAPHICS ADD ON CARDS (OPTIONAL) | |
| | Remote Graphics: CELSIUS RemoteAccess Card, PCIe x1, 2x DVI-I |
| | High-end 3D: ATI FirePro™ V5800, PCIe x16, DL-DVI-I, 2x DP |
| | Midrange 3D: NVIDIA® Quadro® FX 1800, 768 MB, PCIe x16, DL-DVI-I, 2x DP |
| | Midrange 3D: NVIDIA® Quadro® FX 580, 512 MB, PCIe x16, DL-DVI-I, 2x DP |
| | Midrange 3D: NVIDIA® Quadro® 2000, PCIe x16, DL-DVI-I, 2x DP |
| | Midrange 3D: NVIDIA® Quadro® 600, PCIe x16, DL-DVI-I, DP |
| | Midrange 3D: ATI FirePro™ V4800, PCIe x16, DL-DVI-I, 2x DP |
| | Entry 3D: NVIDIA® Quadro® FX 380, 256 MB, PCIe x16, 2x DL-DVI-I |
| | Entry 3D: ATI FirePro™ V3800, PCIe x16, DL-DVI-I, DP |
| | Entry 3D: ATI FirePro™ V3700, 256 MB, PCIe x16, 2x DL-DVI-I |
| | Multi monitor 2D: 2nd NVIDIA® Quadro® NVS 295, 256 MB, PCIe x1, 2x DP |
| | Professional 2D: NVIDIA® Quadro® NVS 450, 512 MB, PCIe x16, 4 x DP |
| | Professional 2D: NVIDIA® Quadro® NVS 295, 256 MB, PCIe x16, 2x DP |
| | Professional 2D: NVIDIA® Quadro® NVS 290, 256 MB, PCIe x16, 2x SL DVI-I |

| | |
|---|---|
| HARD DISK DRIVES (INTERNAL) | SSD SATA, 256 GB, 2.5-inch |
| | SSD SATA, 128 GB, 2.5-inch |
| | SATA III, 10000 rpm, 600 GB, 3.5-inch internal |
| | SATA II, 10000 rpm, 300 GB, 2.5-inch, S.M.A.R.T. |
| | SATA II, 10000 rpm, 150 GB, 2.5-inch, S.M.A.R.T. |
| | SATA II, 7200 rpm, 2000 GB, 3.5-inch, S.M.A.R.T. business critical |
| | SATA II, 7200 rpm, 1000 GB, 3.5-inch, S.M.A.R.T. business critical |
| | SATA II, 7200 rpm, 1000 GB, 3.5-inch, S.M.A.R.T. |
| | SATA II, 7200 rpm, 750 GB, 3.5-inch, S.M.A.R.T. business critical |
| | SATA II, 7200 rpm, 500 GB, 3.5-inch, S.M.A.R.T. business critical |
| | SATA II, 7200 rpm, 500 GB, 3.5-inch, S.M.A.R.T. |
| | SATA II, 7200 rpm, 320 GB, 3.5-inch, S.M.A.R.T. |
| | SATA II, 7200 rpm, 250 GB, 3.5-inch, S.M.A.R.T. |
| | SATA II, 7200 rpm, 160 GB, 2.5-inch, S.M.A.R.T. |
| | |
| Hard disk notes | One Gigabyte equals one billion bytes, when referring to hard disk drive capacity. 2.5-inch drives will be mounted in the 3.5-inch bays |
| DRIVES (OPTIONAL) | Blu-ray Disc™ Triple Writer |
| | DVD-ROM |
| | DVD Super Multi |
| | MultiCard Reader 20in1, USB 2.0, 3.5-Inch |
| INTERFACE ADD ON CARDS/COMPONENTS (OPTIONAL) | |
| | WLAN III, 802.11g/Draft-n (Windows only) |
| | USB 3.0 PCIe x1 |
| | Parallel Interface |
| | Gigabit Ethernet PCIe x1 |
| | eSATA Interface |
| | Dual serial card PCI |
| Base unit | CELSIUS W380 |
| MAINBOARD | |
| Mainboard type | D2917 |
| Formfactor | BTX |
| Chipset | Intel® 3450 |
| Processor socket | LGA 1156 |
| Processor quantity maximum | 1 |
| Memory slots | 4 DIMM (DDR3) ECC/non-ECC |
| Supported capacity RAM (max.) | 16 GB |
| Memory frequency | 1333 MHz |
| Memory notes | In configurations with 4 GB and more the visible memory may be reduced to approximately 3.5 GB or less (for 32-bit operating systems) and configurations with 8 GB the visible memory may be reduced to approximately 7.5 GB or less (depending on system configuration). |
| LAN | Built-in 10/100/1000 MBit/s Intel® 82578 DM |
| Integrated WLAN | Optional (for Windows only) |
| Audio codec | Realtek ALC663 |
| Audio features | 5.1 surround sound, High Definition audio, Internal speaker supports audio playback |
| I/O CONTROLLER | |
| Serial ATA total | 6 |
| thereof eSATA | 1, optional |
| SATA RAID support | 0, 1, 10, 5 |
| INTERFACES | |
| Audio: in (rear) | 2 |
| Audio: out (rear) | 1 |

INTERFACES

| | |
|----------------------------|---|
| Front Audio: in | 1 |
| Front Audio: out | 1 |
| FireWire (IEEE1394) (rear) | 1 |
| Internal speakers | 1 |
| USB 2.0 total | 13 |
| USB front | 2 |
| USB rear | 8 |
| USB internal | 2 + 1 |
| VGA | 1 (depends on processor) |
| DisplayPort | 1 (depends on processor) |
| DVI | 1 or 2, optional (depends on processor) |
| Serial (RS-232) | 1, (9 pin) |
| Mouse / Keyboard (PS/2) | 2 |
| Ethernet (RJ-45) | 1 |
| Parallel | 1, optional |
| eSATA | 1, optional |
| Interface Module notes | Anytime USB charge functionality |

DRIVE BAYS

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|-------------------------|---|
| Drive bays total | 8 |
| 3.5-inch internal bays | 4 |
| 3.5-inch external bays | 2 |
| 5.25-inch external bays | 2 |

SLOTS

| | |
|--------------------------------|--------------------------|
| PCI-Express 2.0 x16 | 1 x (312 mm) full height |
| PCI-Express 2.0 x4 (mech. x16) | 1 x (190 mm) full height |
| PCI-Express x1 | 2 x (300 mm) full height |
| PCI (32-bit / 33 MHz) | 3 x (312 mm) |

GRAPHICS ON BOARD

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|---|---|
| Shared video memory | up to 256 MB |
| Refresh rate 1024 x 768 (recommended / max.) | 85 Hz |
| Refresh rate 1280 x 1024 (recommended / max.) | 85 Hz |
| Refresh rate 1600 x 1200 (recommended / max.) | 85 Hz |
| TFT resolution (VGA) | 1360 x 768 pixel 1440 x 900 pixel 1680 x 1050 pixel 1920 x 1200 pixel |
| TFT resolution (DVI) | 1360 x 768 pixel 1440 x 900 pixel 1680 x 1050 pixel 1920 x 1200 pixel |
| Graphics notes | Graphics controller integrated in dual-core processors. For quad-core processors graphics card is mandatory. Tested resolutions, depending on display type additional resolutions and frequencies possible Shared memory depending on main memory size For TFT we recommend using 60Hz |

ELECTRICAL VALUES

| | |
|------------------------------------|-------------|
| Rated voltage range | 100 - 240 V |
| Rated frequency range | 50 - 60 Hz |
| Max. output of single power supply | 300 W |

NOISE FOR STANDARD CONFIGURATION (HDD, ODD, FDD)

| | |
|----------------|---|
| Noise emission | According to ISO9296 (LpAm at bystander position) |
| Idle mode | 18 dB |

NOISE FOR STANDARD CONFIGURATION (HDD, ODD, FDD)

| | |
|----------------------------------|--|
| Office mode | 18 dB(A) |
| Noise notes / description | Actual noise emissions may vary depending on configuration |

DIMENSIONS / WEIGHT / ENVIRONMENTAL

| | |
|--------------------------------------|---|
| Dimensions (W x D x H) | 203 x 426 x 442 mm |
| Operating position | Vertical / horizontal |
| Weight | 16 kg |
| Weight notes | Actual weight may vary depending on configuration |
| Operating ambient temperature | 15 - 35°C |
| Operating relative humidity | 10 - 75 % |

COMPLIANCE

| | |
|-------------------------|---|
| Product | CELSIUS W380 |
| Model | MTB-D2917 |
| Germany | GS optional Blauer Engel / Blue Angel optional |
| Europe | CE |
| USA/Canada | FCC Class B cCSAus |
| Global | RoHS (EU & China) ENERGY STAR® 5.0 Medical EMC standard IEC60601-1-2 in combination with medical kit |
| Compliance notes | Energy Star compliance may vary depending on actual configuration |
| Compliance link | https://sp.ts.fujitsu.com/sites/certificates/default.aspx |

SECURITY

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|--------------------------|---|
| Physical security | Kensington Lock support Eye for padlock Seal option Intrusion switch Optional: Integrated cabinet lock |
| System security | Write protect option for the Flash EPROM Embedded security (TPM 1.2) Disable / Hide TPM option |
| User security | Hard disk password User and supervisor BIOS password Optional: Access protection via SmartCard reader Optional: SmartCase Logon+ |

ADDITIONAL SOFTWARE

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|---|---|
| Additional software (optional) | Drivers & Utilities DVD (DUDVD) Windows® 7 & Vista & XP Recovery DVD TwinLoad Windows® XP downgrade pack |
| Additional software (included as a CD/DVD) | Norton Internet Security (incl. Firewall) |

MANAGEABILITY

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|-------------------------------|---|
| Manageability features | DeskUpdate Driver management |
| Manageability type | DeskView 10.x client management including: |
| DeskView features | On/Offline remote client management Detailed system inventory management and reports BIOS Management Remote power management System notifications Security Remote Control DeskView Helpdesk Integration |
| Supported standards | WMI BootP (made4you) PXE |
| Manageability link | http://ts.fujitsu.com/solutions/it_infrastructure_solutions/manageability/featurefinder.html |

INPUT DEVICE / COMPONENTS

| | |
|---------------------------------|----------------------------------|
| Input devices (optional) | Optical USB tilt wheel mouse |
| | Optical USB/PS2 tilt wheel mouse |
| | Space Explorer USB |
| | Space Navigator USB |
| | Space Pilot USB |
| | Keyboard |

WARRANTY

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|--------------------------|--------------------------------|
| Standard Warranty | 3 years (depending on country) |
|--------------------------|--------------------------------|

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|----------------------|--|
| Service level | On-site Service (depending on country) |
|----------------------|--|

MAINTENANCE AND SUPPORT SERVICES - THE PERFECT EXTENSION

| | |
|----------------------------|---------------------------------------|
| Recommended Service | 5x9, Response Time: Next Business Day |
|----------------------------|---------------------------------------|

| | |
|------------------------|---|
| Service Weblink | http://ts.fujitsu.com/Supportservice |
|------------------------|---|

FUJITSU PLATFORM SOLUTIONS

In addition to Fujitsu CELSIUS W380, Fujitsu provides a range of platform solutions. They combine reliable Fujitsu products with the best in services, know-how and worldwide partnerships.

Dynamic Infrastructures

With the Fujitsu Dynamic Infrastructures approach, Fujitsu offers a full portfolio of IT products, solutions and services, ranging from clients to datacenter solutions, Managed Infrastructure and Infrastructure as-a-Service. How much you benefit from Fujitsu technologies and services depends on the level of cooperation you choose. This takes IT flexibility and efficiency to the next level.

Computing Products

www.fujitsu.com/global/services/computing/

Software

www.fujitsu.com/software/

MORE INFORMATION

Learn more about Fujitsu CELSIUS W380, please contact your Fujitsu sales representative or Fujitsu Business partner, or visit our website. <http://ts.fujitsu.com/celsius>

FUJITSU GREEN POLICY INNOVATION

Fujitsu Green Policy Innovation is our worldwide project for reducing burdens on the environment. Using our global know-how, we aim to resolve issues of environmental energy efficiency through IT. Please find further information at <http://www.fujitsu.com/global/about/environment/>

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